

$$\varphi(t) = \tan^{-1}\left(\frac{a}{b}\right)$$

Fig. 1

Fig 2a

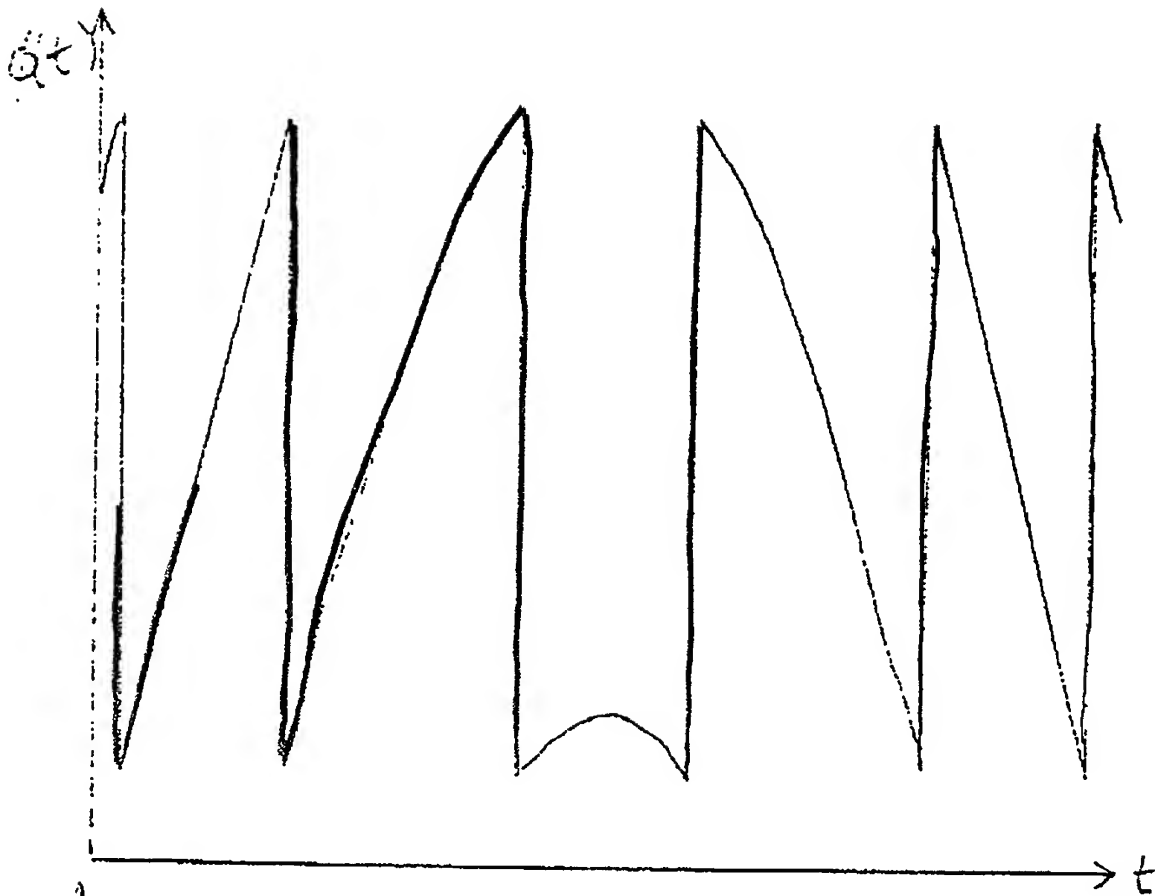
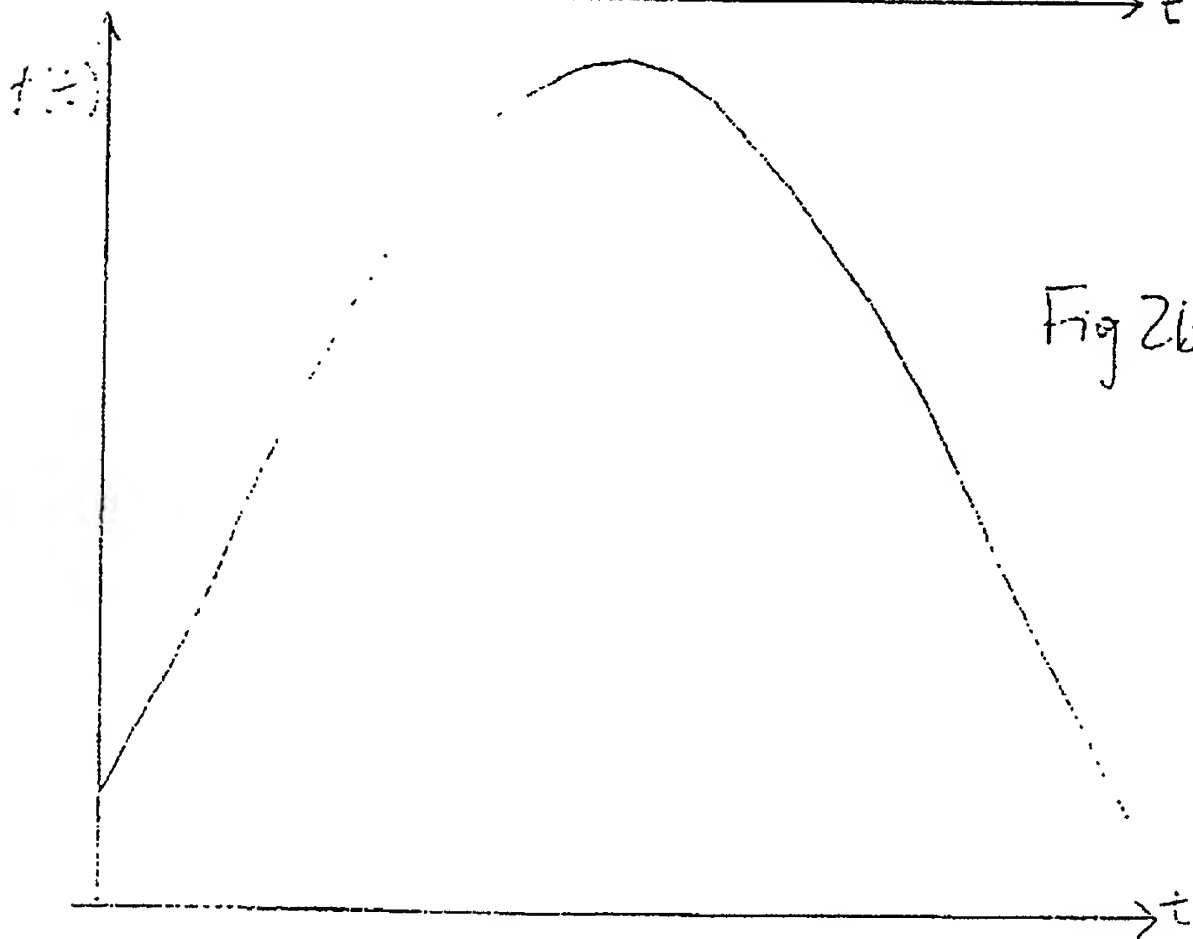


Fig 2b.



10074959.00100

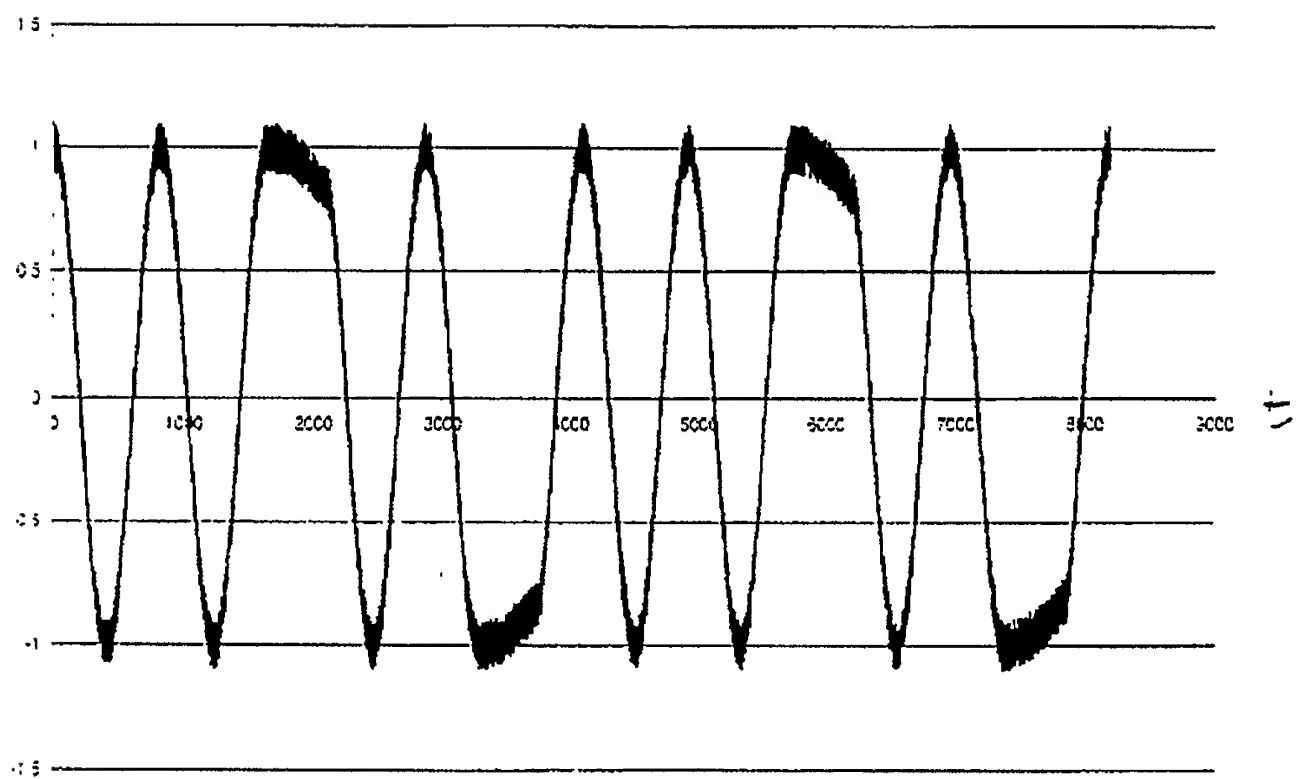


Fig. 3 Real part of signal

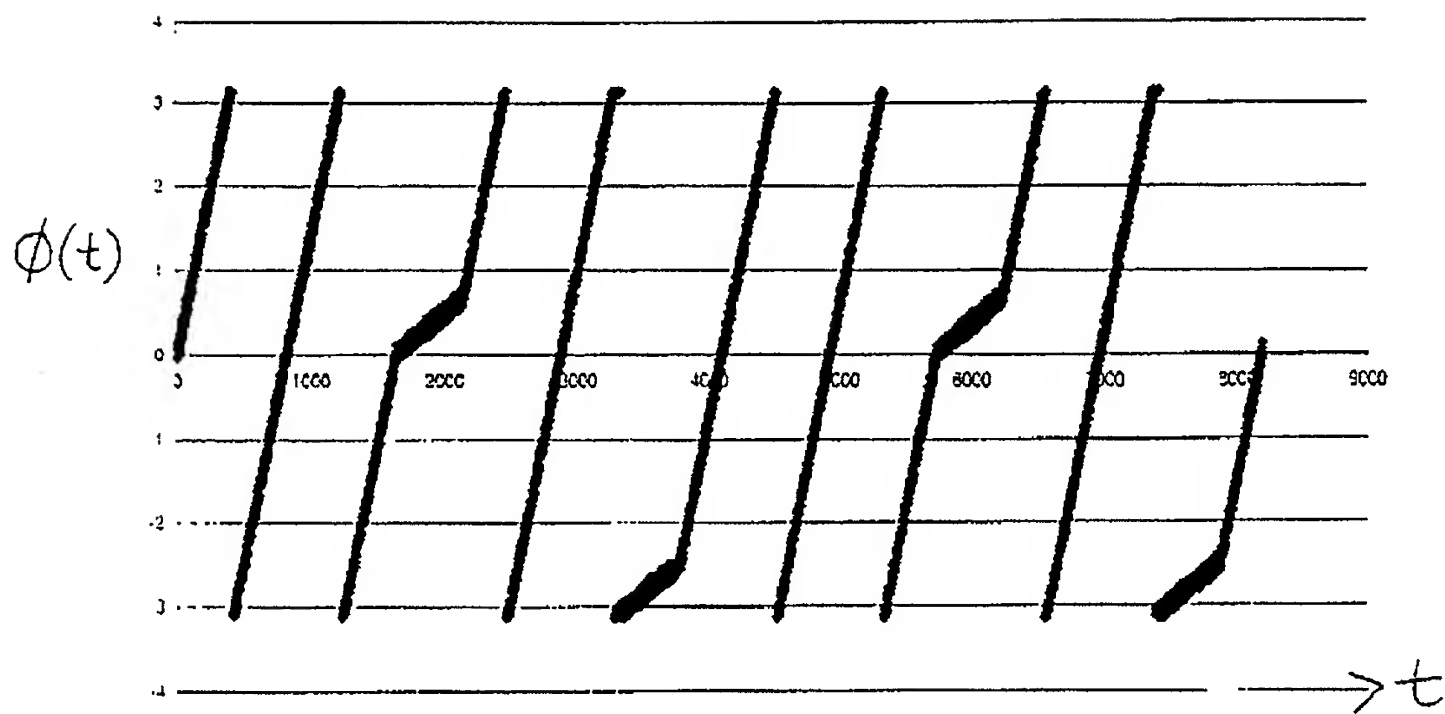


Fig. 4 Phase plot of raw data

Wrapped phase data

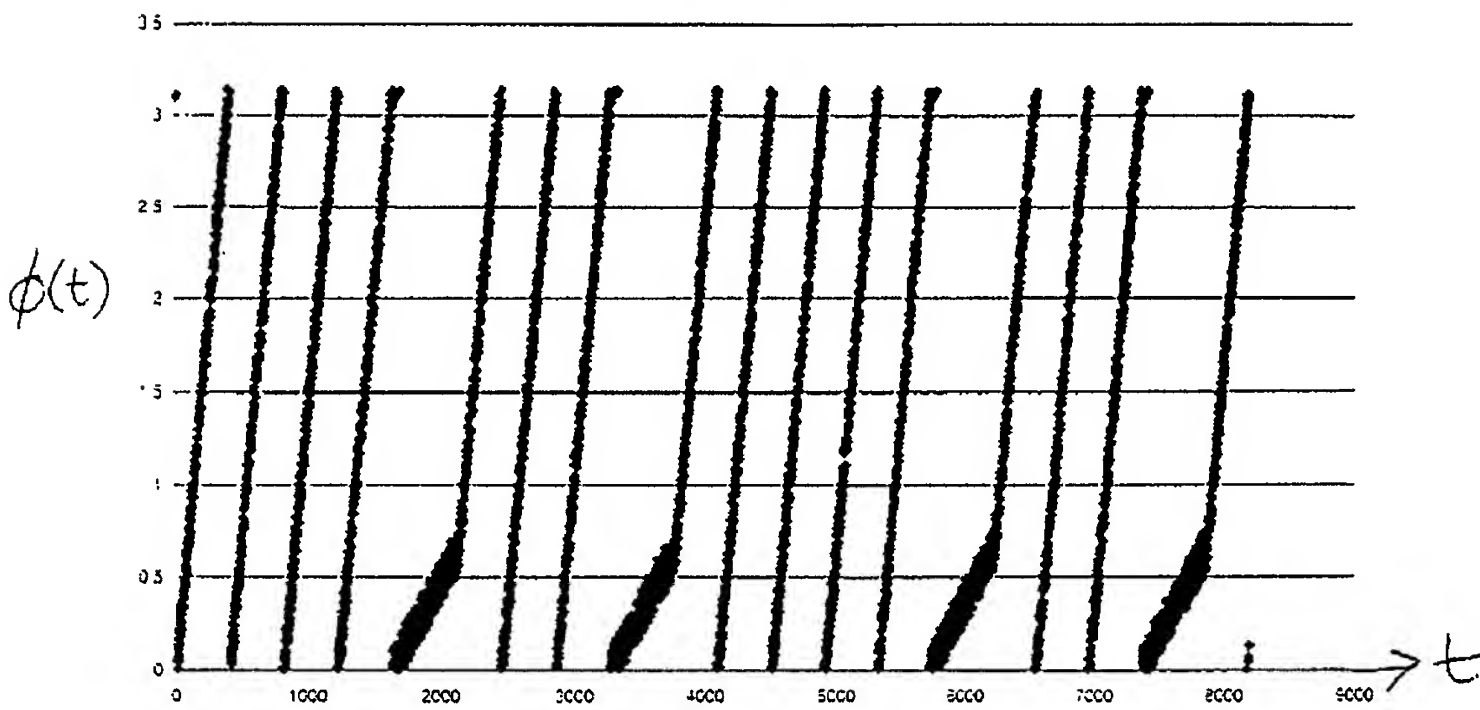


Fig. 5 Phase data wrapped from 0 to  $\pi$

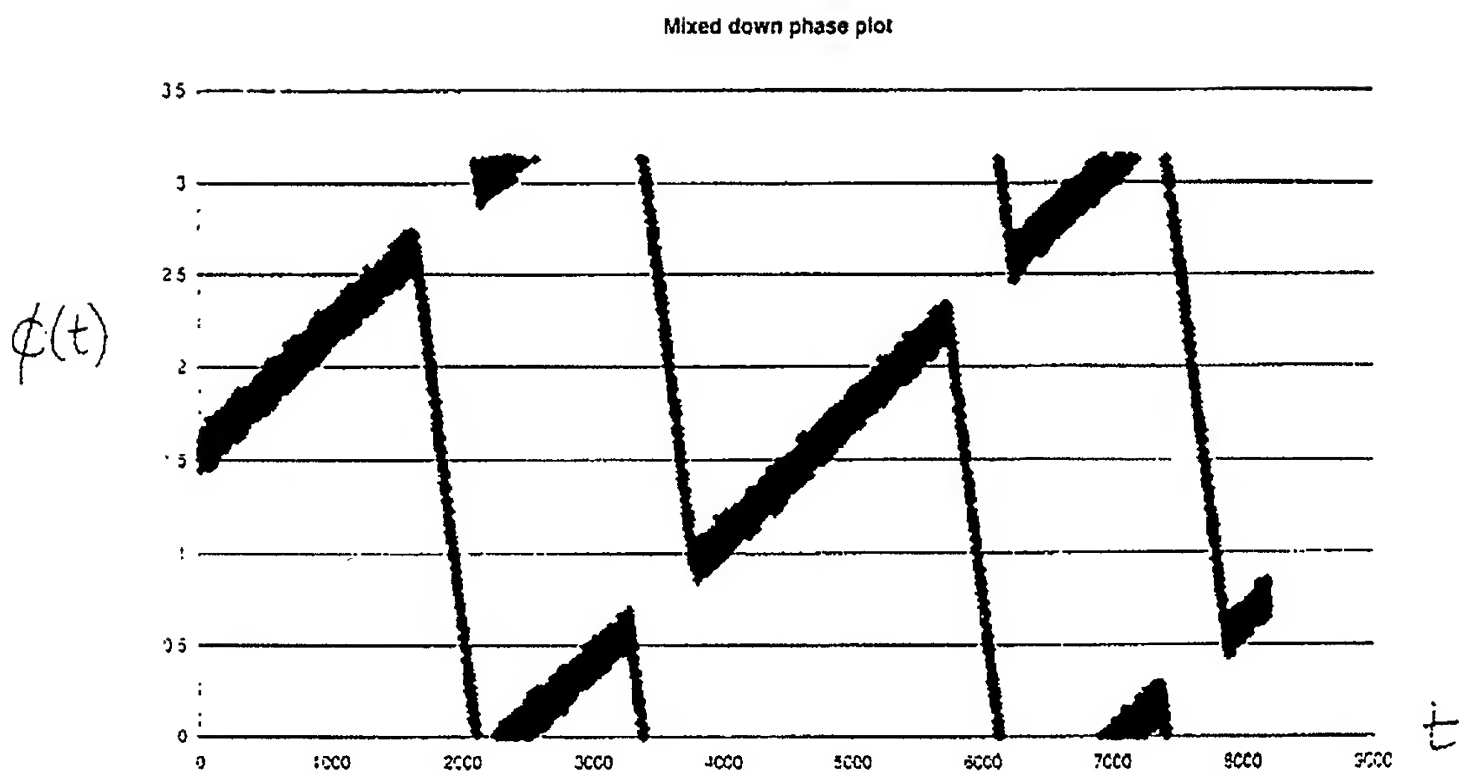


Fig. 6 Phase plot after one iteration of the algorithm

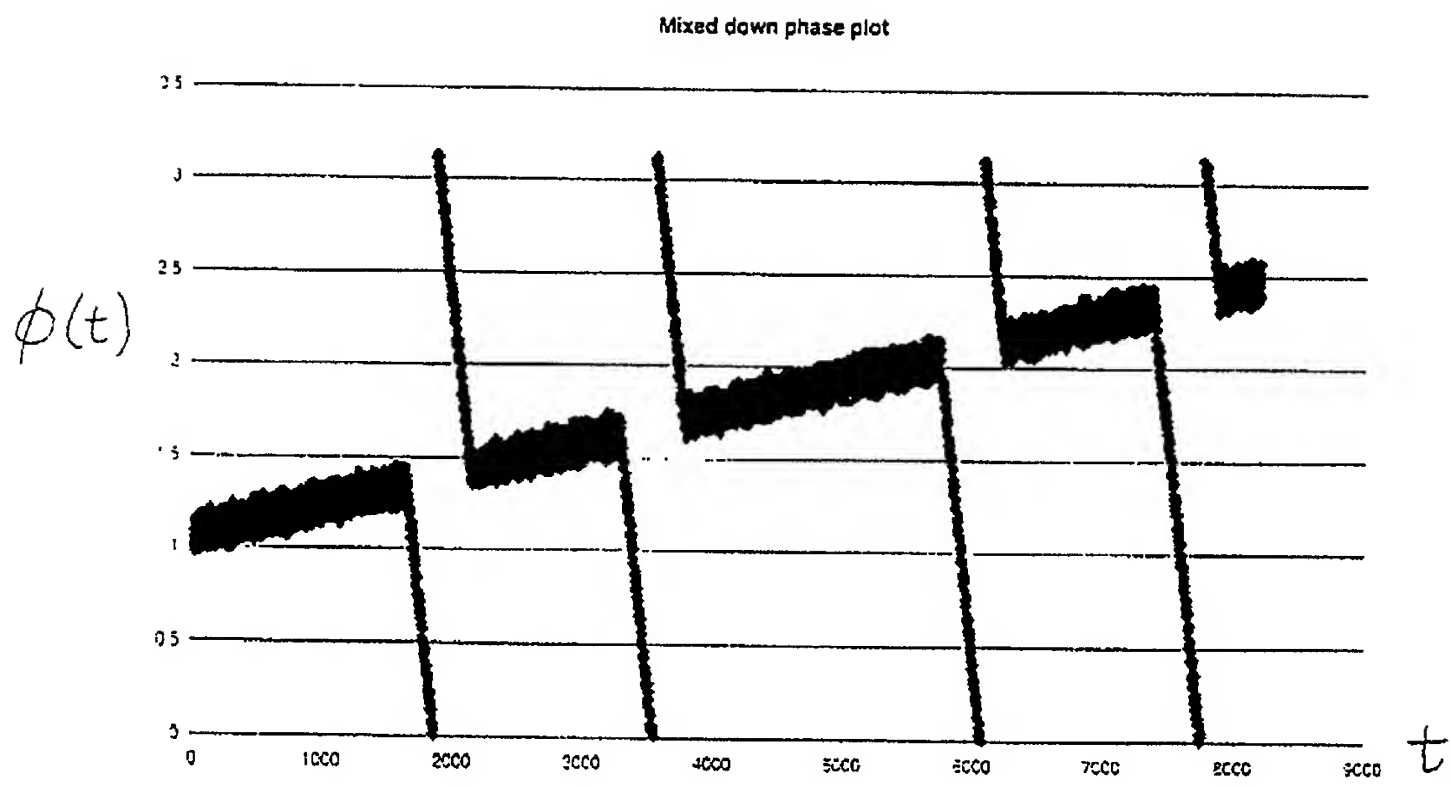


Fig. 7 Phase plot after several iterations

Mixed down phase plot

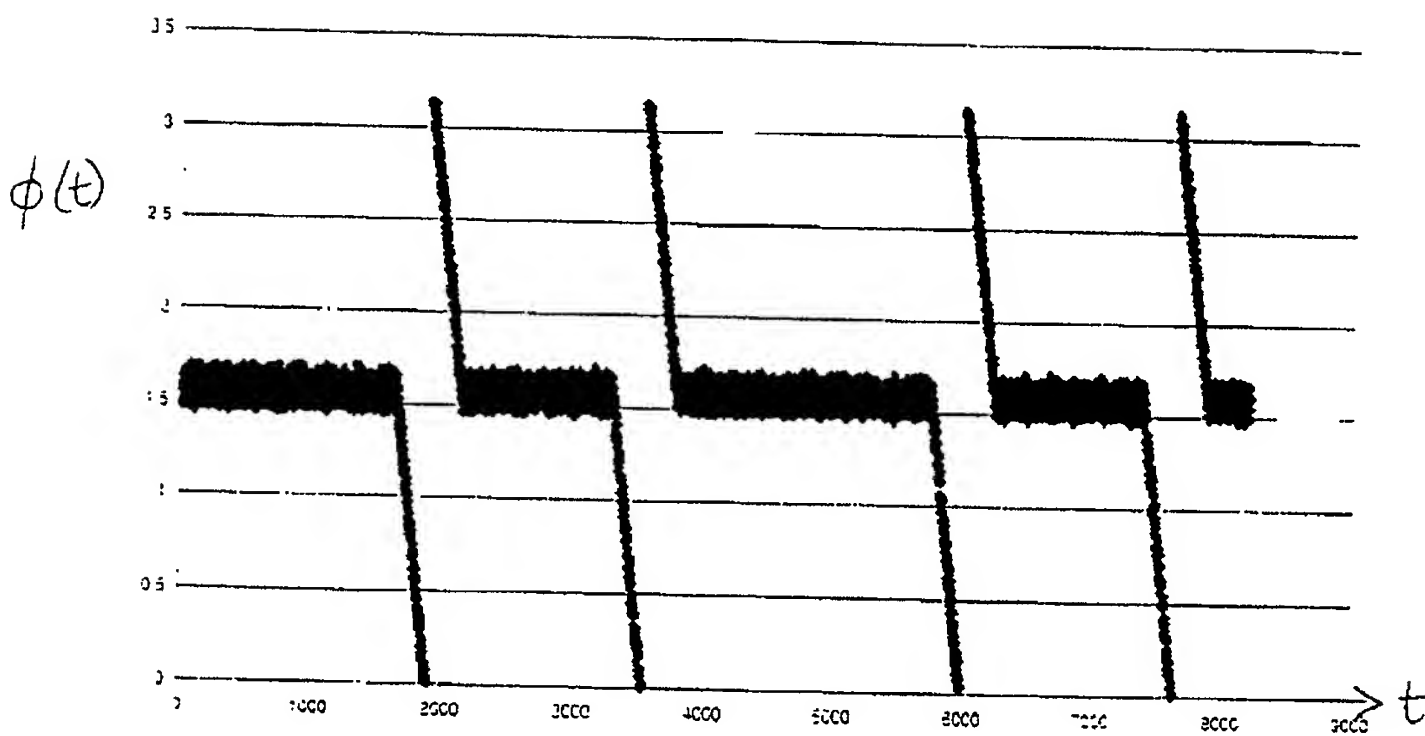


Fig. 8 Final phase plot



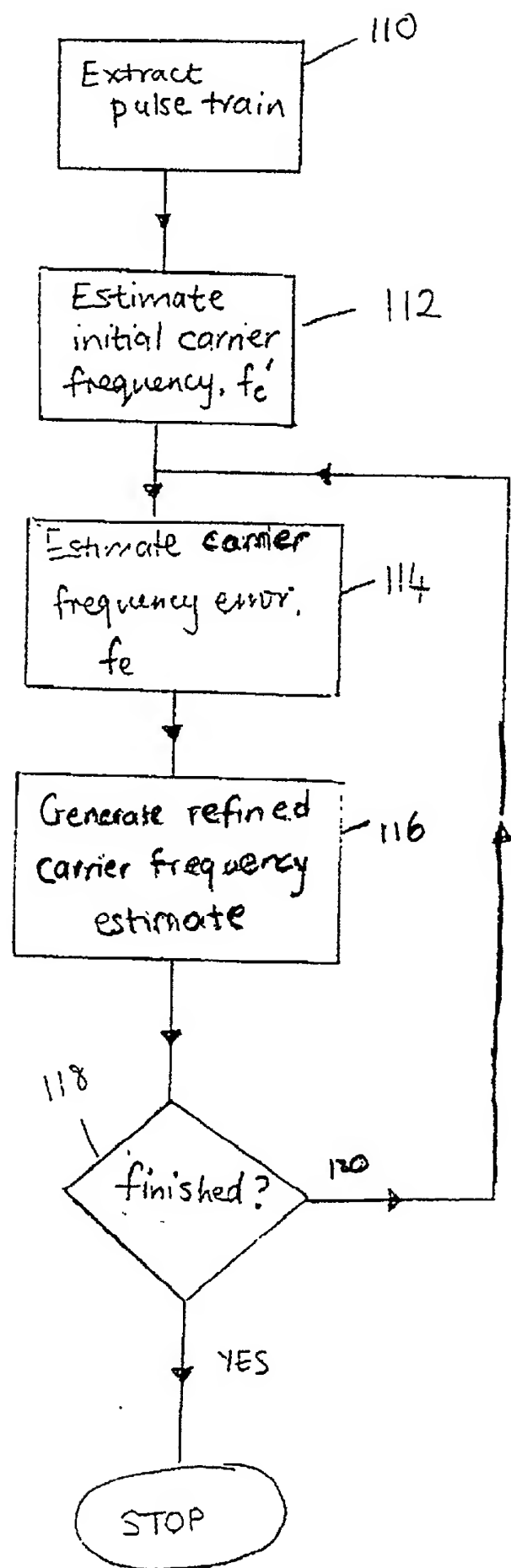


Fig. 9

10074589.02100

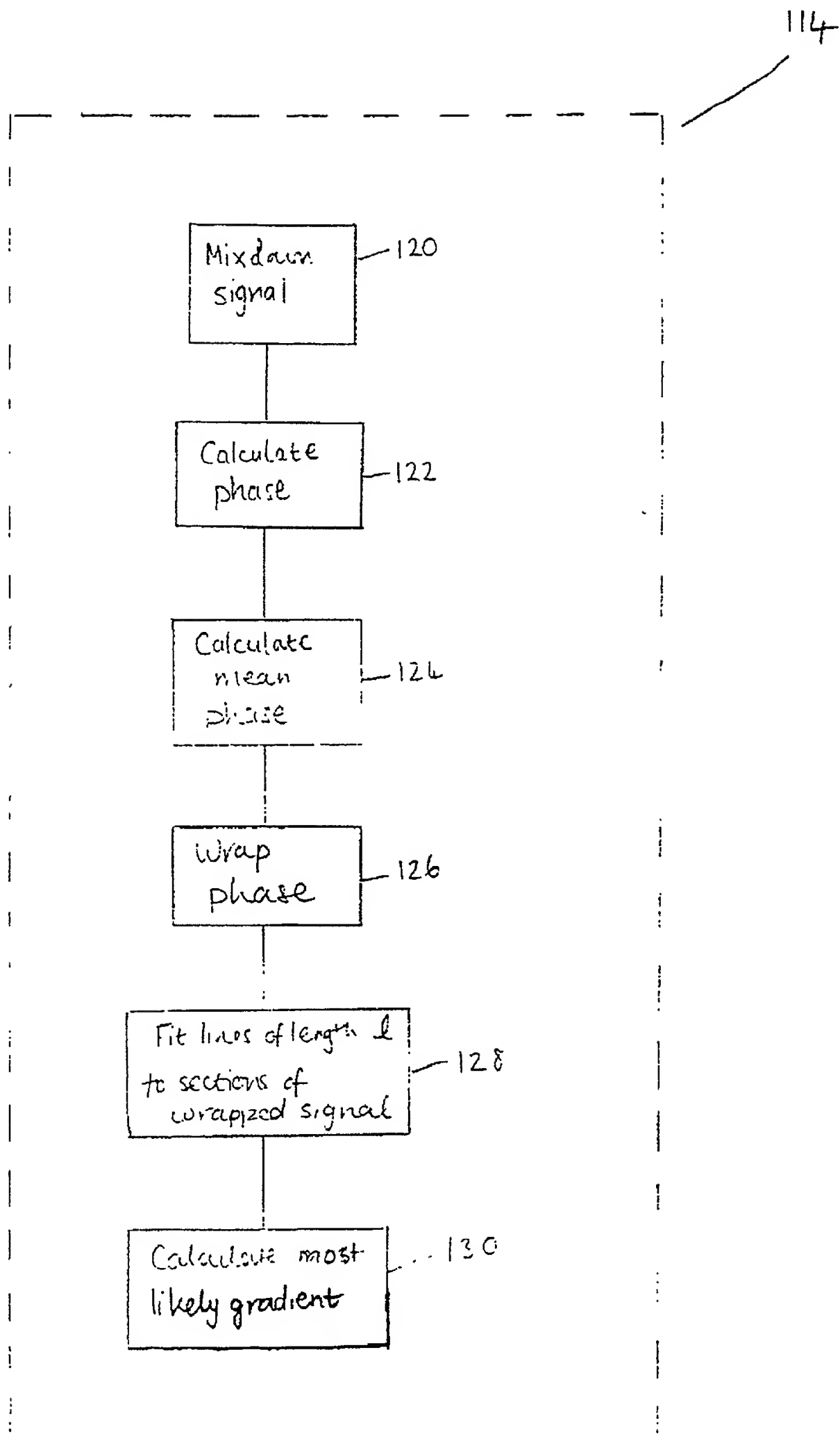


Fig. 10

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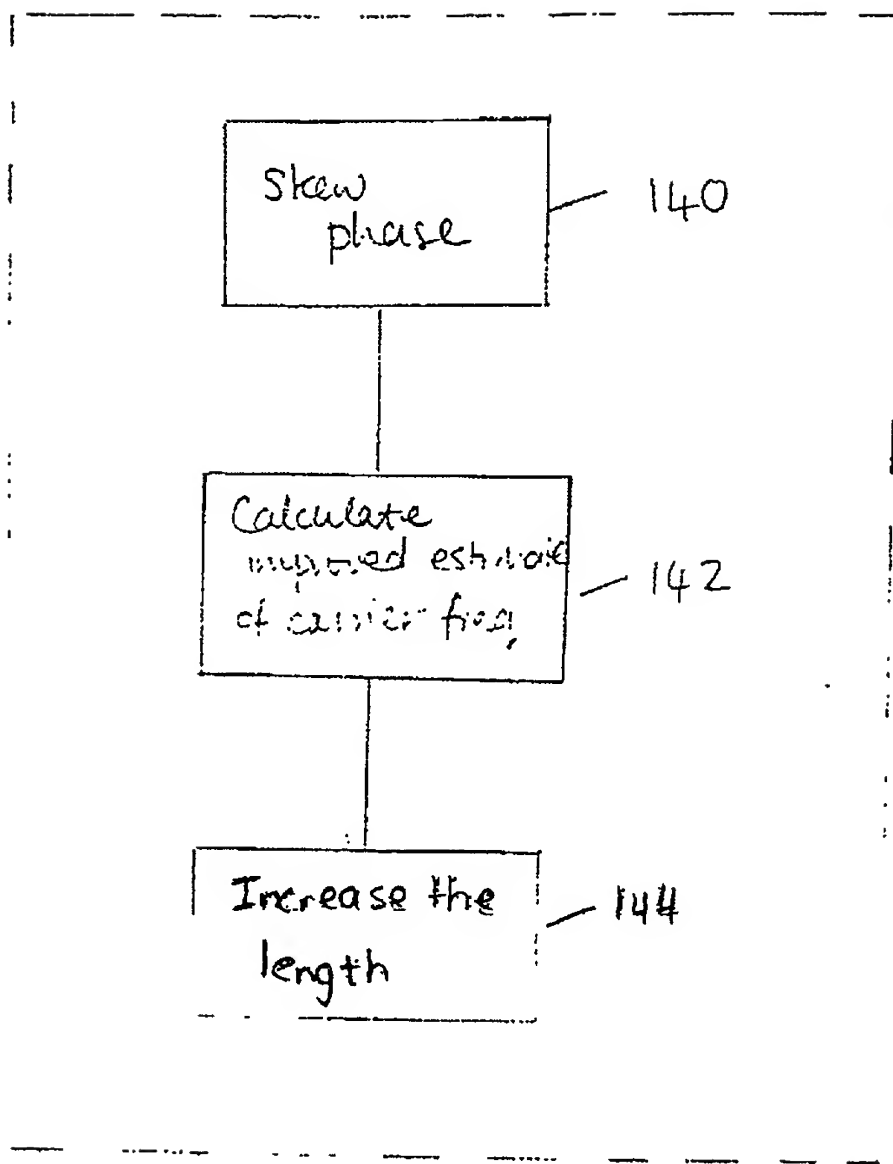


Fig. 11